

ORIGINAL

STATE OF ILLINOIS  
ILLINOIS COMMERCE COMMISSION

RECEIVED  
SEP 9 2002

Petition for permission to make a major change in crossing protection, or to install new protection under 92 Illinois Administrative Code 1535.400 (d).

X-11859  
701-0070

Illinois Commerce Commission  
RAIL SAFETY SECTION

Date: August 30, 2002

To the ILLINOIS COMMERCE COMMISSION:

The petitioner Norfolk Southern Railway Company shows

- (1) That it is a railroad company operating a line of railroad in the State of Illinois.
- (2) That petitioner proposes and hereby makes application for authority to make a major change in crossing protection, or to install new protection, under 92 Illinois Administrative Code 1535.400 (d) adopted by this Commission.
- (3) That the location of the crossing, nature of protection now established and proposed to be established, and other pertinent facts in connection therewith, are set forth in the statement attached to and forming part of this petition.
- (4) That petitioner's reasons and purpose, with reference to its said proposal are to:

Modification of Grade Crossing Warning Devices requested by Illinois Commerce Commission

at: Howe St. in Jacksonville, Morgan County, Illinois, DOT: 479 402H, MP. DH-447.15

File No. 061-04.311

Project No. 04.0499

- (5) That the facts set forth in this petition and in the statement and plans or plats attached thereto, are, all of them, true and correct to the best of petitioner's knowledge and belief.

**WHEREFORE, the petitioner prays that the Commission will, if deemed desirable by the Commission, set the aforesaid matter for hearing, and that the Commission enter an order or adopt a resolution consenting to and granting authority for the making of the said proposed changes in or additions to crossing protection.**

Norfolk Southern Railway Company

By R. H. Ray

R. H. Ray, Administrator  
Highway Grade Crossings

Thomas W. Ambler

(Attorney for Petitioner)

Norfolk Southern Corporation  
Three Commercial Place  
Norfolk, VA 23510-2191

(Attorney's Address)

DOCKETED

**Statement, attached to and part of an application for permission to make a major change in crossing protection or to install new protection, under 92 Illinois Administrative Code 1535.400(d).**

1. Name of Railroad Company Norfolk Southern Railway Company
2. Crossing Number 479 402H
3. Village or City Jacksonville
4. Name of Street or Highway Howe Street
5. Public Agency Maintaining Highway City
6. Protection now established:  
Automatic Flashing Light Crossing Signals with Bell and Crossbucks
7. Protection desired:  
Modify grade crossing warning devices to Flashing Light Crossing Signals with Gates  
controlled by constant warning time detection devices.
8. Number of main tracks One Other tracks None
9. Number of passenger movements:  
6 a.m. to 6 p.m. None 6 p.m. to 6 a.m. None
10. Number of freight train movements:  
6 a.m. to 6 p.m. 7 6 p.m. to 6 a.m. 11
11. Approximate number of switch movements:  
6 a.m. to 6 p.m. 1 6 p.m. to 6 a.m. 1
12. Maximum speed of trains at crossing on each track in each direction:  
North/East 50 M.P.H.  
South/West 50 M.P.H.
13. Passenger platforms served by tracks within the limits of track circuits, if any None

14. Where automatic signals or gates are proposed, approximate number of train or engine movements daily which would cause false indications or operation:

None

15. Nature and approximate amount of street or highway traffic over crossing:

850 AADT including cars and trucks

16. In addition to the information listed hereinbefore in Form 3, attach a track plan or plat of the proposed crossing. This plan should show:

- (a) Width and surface of highway.
- (b) Highway intersections (including private driveways to be so indicated) and location of established highway signs or signals within 100 feet of crossing.
- (c) Location of tracks, switches and other railroad facilities such as block signals, etc. within limits of track circuits, present and/or proposed.
- (d) Where automatic protection is proposed, show proposed location of signals (side lights, cantilevers, etc., if any).
- (e) Show the length of each operating track section within the control limits of the crossing protection and its function.

#### ADDITIONAL INFORMATION

Drawing attached for question no. 16


(File Original and Two Duplicates)

VERIFICATION

I, R. H. Ray, first being duly sworn upon oath depose and say that I am  
Administrator - Highway Grade Crossings, of Norfolk Southern Railway Company, a  
Virginia corporation; that I have read the above and foregoing petition by me subscribed and know the  
contents thereof; that said contents are true in substance and in fact, except as to those matters stated upon  
information and belief, and as to those, I believe same to be true.

  
Administrator - Highway Grade Crossings

Subscribed and sworn to before me this 30  
day of August 20 02.

  
Notary Public (Georgia) or Witness

My Commission Expires: \_\_\_\_\_

20-Aug-02

**Detailed Estimate for Grade Crossing Warning Devices**

City/Stat JACKSONVILLE, IL  
MilePost: DH-447.15  
State Proj.  
S&E Proj. 04.0499  
Man Days: 104

Road: HOWE ST.  
DOT/AAR: 479402H  
County: MORGAN  
AFE:  
File 061-04.311

**\*\*\*Purchases - Other\*\*\***

Meals and Lodging:	\$8,290.00	
Rental of Equipment:	\$18,120.00	
(2 Trucks, 1 Backhoe w/ Trailer and 1 Pipe-Pusher for 26 Days)		
Construction Supervision Vehicle:	\$340.00	
Contingencies:	\$600.00	
Purchases - Other Total:		\$27,350.00

**\*\*\* Material and Additives\*\*\***

Material Cost:	\$85,630.00	
Sales and Use Tax:	\$4,280.00	
Material Handling Freight:	\$8,130.00	
Material Total:		\$98,040.00

**\*\*\*Labor and Additives\*\*\***

Labor Cost:	\$21,320.00	
(4 man crew at \$820.00 a day for: 26 days)		
Payroll Tax & Overheads:	\$18,460.00	
Preliminary Engineering:	\$17,410.00	
Construction Supervision:	\$6,020.00	
Labor Total:		\$63,210.00
	Subtotal	\$188,600.00
	Credit:	\$0.00
	(Salvage/Scrap)	
	<b>Project</b>	<b>\$188,600.00</b>

Estimated on: 20-Aug-02

Estimated by: ndr3j

**Estimate valid for 1 year from date of estimate**



Highway Crossing Signalization Program - Material List

Do not substitute items without permission from S & E Engineering

City:	JACKSONVILLE
Road:	HOWE ST.
Milepost:	DH-447.15
Drawing Number:	SFDH44715
State Project Number:	
County:	MORGAN
A A R Number:	479402H
Project Number:	04.0499
File Number:	061-04.311
A F E Number:	
Store Number:	
Supervisor:	D.J. HOLLINGSEAD
Tax Code:	1200
Vendor to supply the following copies after pricing: 1 Set - Material Management with original invoice 2 Sets - with plans shipped in car with material 1 Set - S&E Gen. Supt. Construction w/ copy of invoice	

20-Aug-02

Location: JACKSONVILLE IL S&amp;E Proj. No.: 04.0499

AFE No.:

Drawing No.: SFDH447/15

Page 1/5

Store No.:

P.O. Number:

Date Required:

Date Shipped:

Vendor: Safetran Systems Corp.

Qty.	Class-Item-CD	UI	Price per Item	Total Price	Item Description	Quantity Shipped	Quantity Installed			Quantity Returned (Credit)	Special Instructions
							Date Quan.	Date Quan.	Date Quan.		
3	670-360693-4	EA	\$4.82	\$14.46	AAR/DOT NUMBER PLATE/DECAL, ORDER 3 PER PROJECT. 60 DAY LEAD TIME. SUPPLIED BY STRAN						
1	670-010827-4	EA	\$238.23	\$238.23	AND GATE, SAFETRAN A90975						
2	670-001321-4	EA	\$246.66	\$493.32	ARM, GATE FIBERGLASS-ALUMINUM 17-24 FT., L&W OR US&S OR SAFETRAN 076600-240017 OR						
12	165-021628-4	EA	\$7.61	\$91.37	ARRESTER, LIGHTNING CLEARVIEW W/O BASE USS PART N451552-0201 SAFETRAN PART @022485-28X CR02-025665						
13	105-871901-4	EA	\$154.22	\$2,004.81	BATTERY, GNB 265AH MODEL 50A11 SINGLE CELL 2.25 VOLTS						
1	670-503047-4	EA	\$185.75	\$185.75	BELL, CROSSING ELECTRONIC GENERAL SIGNAL, EB-3- 360-5 CR 02-044350						
6	670-058281-4	EA	\$11.25	\$67.48	BLOCK, UNIVERSAL TERMINAL OF 12 SINGLE POST SAFETRAN 023390-11X, W-C 2508-112E W-NUTS & WASHERS CR 02-048757						
2	670-561375-4	EA	\$1,201.20	\$2,402.40	BRACKET, GATE SAVER, NEG385102GS, SPRING LOADED SWING AWAY ADAPTER FOR FIBERGLASS/ALUMINUM GATES, USE WITH GATE 28' AND LESS						
2	670-000977-4	EA	\$57.98	\$115.95	BRACKET, HIGH WIND SUPPORT HARMON @54-00139, SERRM @50044 SAFETRAN 076203-518X						
3300	465-292862-4	LF	\$1.00	\$3,309.57	CABLE, U-2-6 TWISTED, S-23 OKONITE 113-12-3933 SOLID TINNED CONDUCTOR						
300	465-292929-4	LF	\$3.00	\$899.58	CABLE, U.G. 5 COND. NO. 6 AWG SOLID COPPER CABLE TO MEET NS CORP. SPEC. FOR SIGNAL						
3400	465-939422-4	LF	\$2.56	\$8,698.90	CABLE, UG 12 CONDUCTOR NO 14 AWG SOLID EACH CONDUCTOR WITH 5/64 IN INSULATION 10 MIL						
3000	465-292614-4	LF	\$1.28	\$3,837.90	CABLE, UG 18 PAIR NO. 19 JELLY FILLED, USED FOR CODE CABLE AT AREAS ELECTRONIC CODING EQUIP.						
200	465-277674-4	FT	\$2.80	\$560.82	CABLE, UG 3CD NUMBER 6 FOR HIGH CURRENT AC POWER OKONITE 206-11-6-243						

APPROVED BY STATE

APPROVED BY RAILROAD

CAR NUMBER

SEAL NUMBER

Location: JACKSONVILLE IL S&amp;E Proj. No.: 04.0499

AFE No.:

Drawing No.: SFDH44715

Page 2 / 5

Store No.:

P.O. Number:

Date Required:

Date Shipped:

Vendor: Safetran Systems Corp.

Qty.	Class-Item-CD	UI	Price per Item	Total Price	Item Description	Quantity Shipped	Quantity Date	Quantity Date	Quantity Date	Quantity Returned (Credit)	Special Instructions
80	165-54447-4	FT	\$2.00	\$159.65	CONDUIT, 4"x10" PVC, SCHEDULE 80 BELL CONNECTOR AT ONE END, 1/2 PT. GLUE IN KIT 670-123298-4						
3	165-299316-4	EA	\$16.89	\$50.66	CONDUIT, PVC CASE OUTLET 4 IN. X 29-1/2 IN. SCHEDULE-80 WITH 4 IN. COUPLING, CARLON E940N,						
8	670-090450-4	EA	\$49.62	\$397.00	CONNECTOR, WELDED FAR RAIL HARMON A1000-2W						
8	670-486646-4	EA	\$40.66	\$325.28	CONNECTOR, WELDED NEAR RAIL HARMON A1000-1W						
2	670-793404-4	EA	\$838.38	\$1,676.76	COUNTERWEIGHT PKAGE, 17-24 GATE STRAN S- MECH ONLY, STAINLESS, TO INCLUDE HUB, SUPPORT ARMS						
5	670-760012-4	EA	\$34.90	\$174.49	COVER, FOR 1 WAY FLASHING LIGHT ASSY. 18 OZ. BLACK VINYL COATED NYLON. ===TO COVER 2 LAMPS===						
3	670-080337-4	EA	\$0.73	\$2.18	DECAL, X'ING SIGNAL MALFUNCTION 11" X 4", GATE MOUNT						
3	670-077544-4	EA	\$0.54	\$1.63	DECAL, X'ING SIGNAL MALFUNCTION 6" X 6", MAST MOUNT						
1	670-986650-4	EA	\$361.26	\$361.26	DISPOSAL, CONSTRUCTION DEBRIS AND CLEANING X'ING EQUIPMENT CONTAINER						
1	670-000004-4	EA	\$281.44	\$281.44	FCC LICENSE FOR MONITOR/RADIO						
4	670-000003-4	EA	\$255.85	\$1,023.40	FILLSTONE #57, QUANTITY IS BASED ON TRUCK LOAD PLUS DELIVERY COST						
2	670-015231-4	EA	\$381.69	\$763.37	FOUNDATION, DIXIE, S-2 GATE 56" ASSEMBLED						
1	670-974821-4	EA	\$39.86	\$39.86	INDUCTOR, SIMULATED TRACK SAFETRAN 8V617-2200						
2	670-491904-4	EA	\$52.71	\$105.41	INDUCTOR, SIMULATED TRACK SAFETRAN 8V617-600						

APPROVED BY STATE

APPROVED BY RAILROAD

CAR NUMBER

SEAL NUMBER



Location: JACKSONVILLE IL S&amp;E Proj. No.: 04.0499

AFE No.:

Drawing No.: SFDH44715

Page 3/5

Store No.:

P.O. Number:

Date Required:

Date Shipped:

Vendor: Safetran Systems Corp.

Qty.	Class-Item-CD	UI	Price per Item	Total Price	Item Description	Quantity Shipped	Quantity Installed	Quantity Returned (Credit)	Special Instructions
1	670-477991-4	EA	\$292.81	\$292.81	KIT, GROUNDING ASSY FOR ALI/S INCLUDES 8 GRD RDS, 200#4WIRE, 12 4 WIRE ONE-SHOTS, ERICO SBK206				
2	670-123298-4	EA	\$225.10	\$450.19	KIT, HARDWARE SUPPLIES REQUIRED X'ING PICKAGES, WEB CONNECTORS FOR SHUNT(8EA) TAPE, AMPS, P.GUM PAINT, SLEEVES, TAGS, GLUE, 100 EA WHITE TAGS, JNE CAN BLUE MARKING PAINT ETC...				
1	670-745798-4	EA	\$490.26	\$490.26	LAMP ASSY, 4" GRD, MAST MTG, 1W IND, 20" BKGRD, FLX-12 W/BULB STRAN #042003-484XNS				
2	670-764166-4	EA	\$907.09	\$1,814.18	LAMP ASSY, 5" MAST MTG, 2W IND, 20" BKGRD, FLX-12 W/BULB STRAN #042003-487XNS				
6	165-643547-4	EA	\$8.43	\$50.60	LAMP, 18 WATT 10 VOLT S-11 SC BAY 18S11/ISC CLEAR RMY SIGNAL UJ-71463 GE				
14	670-440826-4	EA	\$1.01	\$14.18	LINK, SAFETRAN 024620-1X INSL TESTING COMP 1 IN CENTER SIGNAL CIRCUITS CR 02-286662				
4	255-590880-4	EA	\$15.62	\$62.47	LOCK, AMERICAN LOCK MODEL H-10KA KEYED ALIKE TO PRIVATE KEYWAY D456 AND STAMPED "NS SIG"				
1	610-160272-4	EA	\$1,319.57	\$1,319.57	MAST, 5" ALUMINUM (0845) LEFT FOR LIGHT UNIT & BRACKET @ 45 DEG, LEFT W/DBL JCT, BOX BASE #070519-153X-2				
1	670-637778-4	EA	\$1,055.55	\$1,055.55	MAST, 5" ALUMINUM 13'10" WITH DOUBLE JCT, BOX BASE, STRAN P# 070519-11AX.				
1	670-000985-4	EA	\$182.36	\$182.36	MAST, SIDE LIGHT BRACKET F/5"MT, HARMON @225834-XXX, SAFETRAN 041442-26X,				
2	670-521147-4	EA	\$2,932.81	\$5,865.62	MECHANISM, GATE MODEL S40, WITH CONTACT HEATER, COMPLETE W/RELAY STRAN # 074000-W00090				
2	670-014233-4	EA	\$980.09	\$1,960.18	MODULE, DAX FOR 3000 GCP SAFETRAN #80016				
1	670-014209-4	EA	\$1,502.10	\$1,502.10	MODULE, TRANSCIVER FOR 3000 GCP SAFETRAN #80012				
1	670-839472-4	EA	\$2,901.80	\$2,901.80	MONITOR, HWY XING, (DEMA-NS8-5M) W/ DUAL SENSOR & RITRON RADIO, FREQ. COMBO #5, CH 1 = 160.440MHZ, CH 2 = 161.250MHZ, INCLUDES WIRING AND INSTALLATION				

APPROVED BY STATE

APPROVED BY RAILROAD

CAR NUMBER

SEAL NUMBER

Location: JACKSONVILLE IL S&amp;E Proj. No.: 04.0499

AFE No.:

Drawing No.: SFDH44715

Page 4/ 5

Store No.:

P.O. Number:

Date Required:

Date Shipped:

Vendor: Safetran Systems Corp.

Qty.	Class-Item-CD	UI	Price per Item	Total Price	Item Description	Quantity Shipped	Quantity Installed			Quantity Returned (Credit)	Special Instructions
							Date	Date	Date		
							Quan.	Quan.	Quan.		
4	670-001347-4	EA	\$57.98	\$231.90	PACKAGE, HARDWARE SIGN 5 IN. MOUNTING, SERRMI A1250-5, HARMON @200965-000, OR						
1	255-646807-4	EA	\$9.49	\$9.49	PADLOCK, SAFETRAN PART NO. 030399-29X SCREW TYPE FOR CIR CONTROLLER AND BTY. BOX						
2	670-278849-4	EA	\$214.91	\$429.83	PANEL, SAFETRAN# 80026-36 1 TRACK SURGE PANEL FOR 3 PAIR (INC. XMIT, RECEIVE & CHECK)						
1	670-278068-4	EA	\$307.02	\$307.02	PANEL, SAFETRAN# 91044-01 VITAL AND GATE PANEL ASSY (INC 1 AND GATE) FOR MTG. 3 AND GATES						
2	610-719870-4	EA	\$135.90	\$271.80	PEDESTAL ASSEMBLY, ARMORCAST P/N PB001205-NS, YELLOW 10"x11"x29"						
1	670-514605-4	EA	\$8.43	\$8.43	PINNACLE, W-C SECT 1-11, 4"x5" REF K1 110-8 OR SAFETRAN NO. @035045-503X						
6	670-555609-4	EA	\$41.11	\$246.66	PLUGBOARD, TYPE B-1 GRS A62-506 OR HARMON @7062-506 OR						
1	670-166532-4	EA	\$140.72	\$140.72	PROTECTOR, SURGE 3-WIRE PLUS GRD 120/240 JOSLYN ELECTRONICS 1259-21-A FOR I/S AC BREAKER PANEL						
6	465-002899-4	EA	\$20.88	\$125.26	REEL, CABLE DISPOSABLE FOR CROSSING SIGNAL PACKAGES						
6	670-707995-4	EA	\$356.29	\$2,137.72	RELAY, TYPE B1, NEV LINE, 900 OHMS, .008 AMPERES GRS A62-308 OR SAFETRAN @400003						
1	670-786834-4	EA	\$6,706.00	\$6,706.00	SHELTER, BARE 6X6 ALUMINUM W/FARADAY, SAFETRAN P/N 058400-66-78, W/ADJ. PIERS 4 GND LUGS W/48" #4 SOLID COPPER PIGTAIL, 2 SHELVES, 3 TAG BOARDS/SHELF, AND ONE 3' FARADAY SHIELD						
2	670-793474-4	EA	\$14.40	\$28.80	SHIELD, GROUND (SERRMI# 61223) FOR GROUNDING 12-WAY TERMINAL BLOCK						
6	670-586967-4	EA	\$34.74	\$208.47	SHUNT COVER W/LAG SCREWS, 19"x19", SERRMI #40271, ORDER 1 PER SHUNT						
2	670-662773-4	EA	\$470.56	\$941.12	SHUNT, MULTI-FREQ. #62775-1543 SAFETRAN NARROW BAND						

APPROVED BY STATE

APPROVED BY RAILROAD

CAR NUMBER

SEAL NUMBER

Location: JACKSONVILLE IL S&amp;E Proj. No.: 04.0499

AFE No.: Drawing No.: SFDH44715

Page 5/5

Store No.: P.O. Number:

Date Required:

Date Shipped:

Vendor: Safetran Systems Corp.

Qty.	Class-Item-CD	UI	Price per Item	Total Price	Item Description	Quantity Shipped	Quantity Date	Quantity Date	Quantity Date	Quantity Returned (Credit)	Special Instructions
2	670-688850-4	EA	\$370.27	\$740.53	SHUNT, MULTI-FREQ. #62775-3497 SAFETRAN NARROW BAND						
2	670-645460-4	EA	\$626.00	\$1,051.99	SHUNT, MULTI-FREQ. #62775-8621 SAFETRAN NARROW BAND						
2	670-806648-4	EA	\$56.42	\$112.84	SIGN, X-BUCK, LESS HARDWARE, SAFETRAN 035200-X CR 02-490546						
2	670-751511-4	EA	\$35.58	\$71.17	SIGN, "1" TRACK, LESS HARDWARE SAFETRAN# 035207-1X						
2	670-006438-4	EA	\$10.54	\$21.08	TAPE, 4" X 96" REFLECTIVE APPLY TO BACK OF X-BUCK SIGN, ONLY IN IA., IL., AL. 035200-555X						
3	670-330382-4	RL	\$10.75	\$32.24	TAPE, THOR 3" DURATEC, ORANGE 1000' LENGTHS, "WARNING STOP DIGGING"						
6	165-917984-4	EA	\$4.22	\$25.30	TERMINAL, TEST, TYPE B GRS A62-515 OR HARMON @32118-001 OR						
6	610-065626-4	EA	\$16.66	\$99.99	ULTRA-TECH 15206-01 CONNECTIVITY BLOCK FOR GRS B1 RELAY						
6	670-007238-4	EA	\$137.14	\$822.81	UNIT, THE INSTALLATION AND WIRING OF A DEVICE WHICH REQUIRE A MINIMUM OF FOUR WIRE CONNECT-						
250	465-999111-4	LF	\$0.30	\$74.20	WIRE, NO.10, 1 CONDUCTOR, CASE, FLEXIBLE 37 STRAND, 3/64 IN. INSULATION-ORDER EXT.AMT. NEEDED CR 02-620502						
500	465-999161-4	LF	\$0.17	\$87.00	WIRE, NO.16, 1 CONDUCTOR, CASE, FLEXIBLE, 19 STRAND, 2/64 IN. INSULATION CR 02-620254						
1	670-403183-4	EA	\$24,436.00	\$24,436.00	WIRED RACK, 6X6 FARADAY, COMPLETE/GCP3000D2 SINGLE TRK, 20 AMP SSCIII, 2 ISL MOD, 1 SAFETRAN CHARGER, 1 CRAAG CHARGER 2 RELAY RACKS, SAFETRAN P/N T15383, USE WITH I/S 670-786634-4						
2	450-986008-4	EA	\$7.35	\$14.70	WRENCH, TEST POST TYPE B DWG 55393-3, GR.1						

Total Material \$85,627.84

APPROVED BY STATE

APPROVED BY RAILROAD

CAR NUMBER

SEAL NUMBER